

Object Oriented Programming - Java

Div II – Batch 2

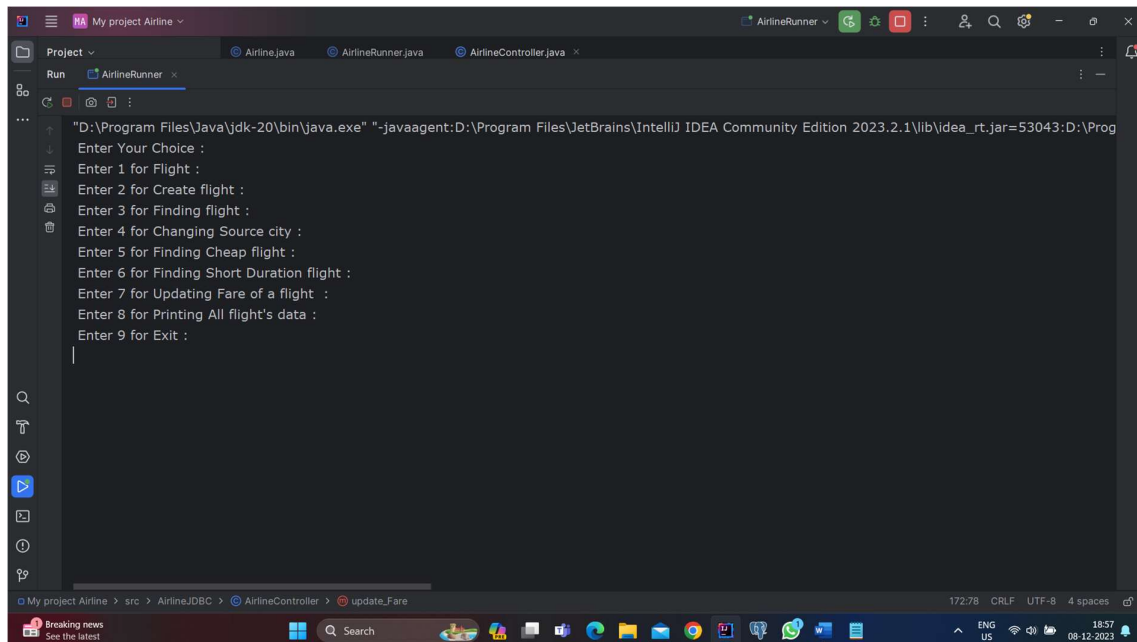
“Teacher Assessment - Airline”

Name: Utkarsh Dilip Pardhi (Individual)

Roll No: - 60 (DIV II)

Steps to Run the Program:

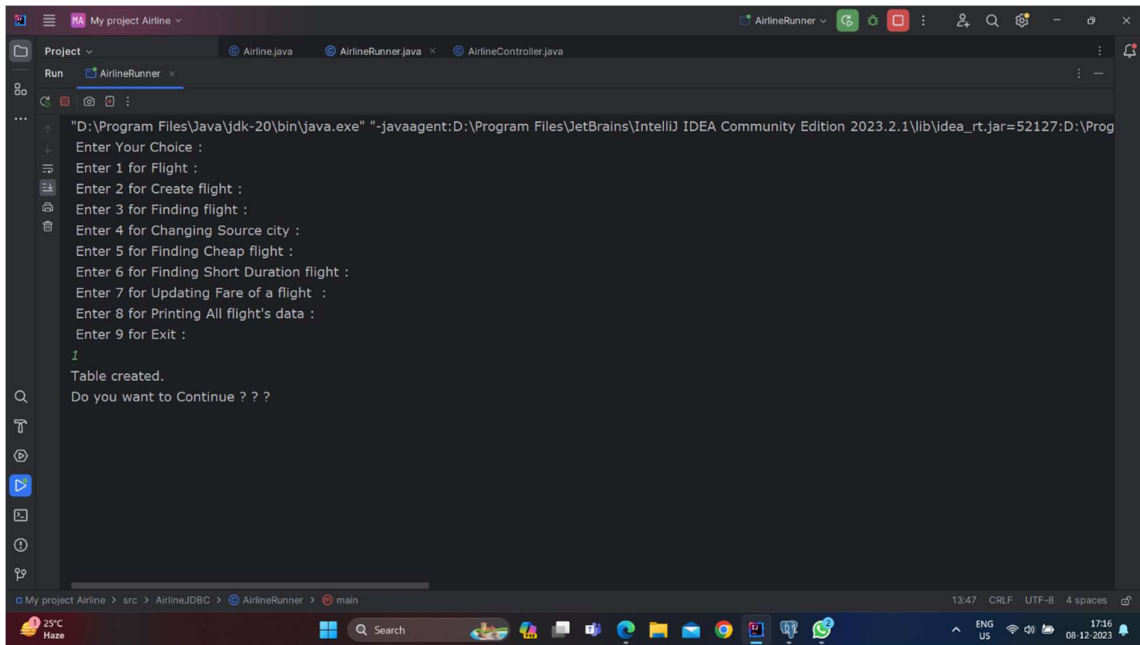
- Step 1 : Run the AirlineRunner Class.
The console window will pop-up.
- Step 2 : Enter your Desired Choice from the given window.



```
"D:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=53043:D:\Prog
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
```

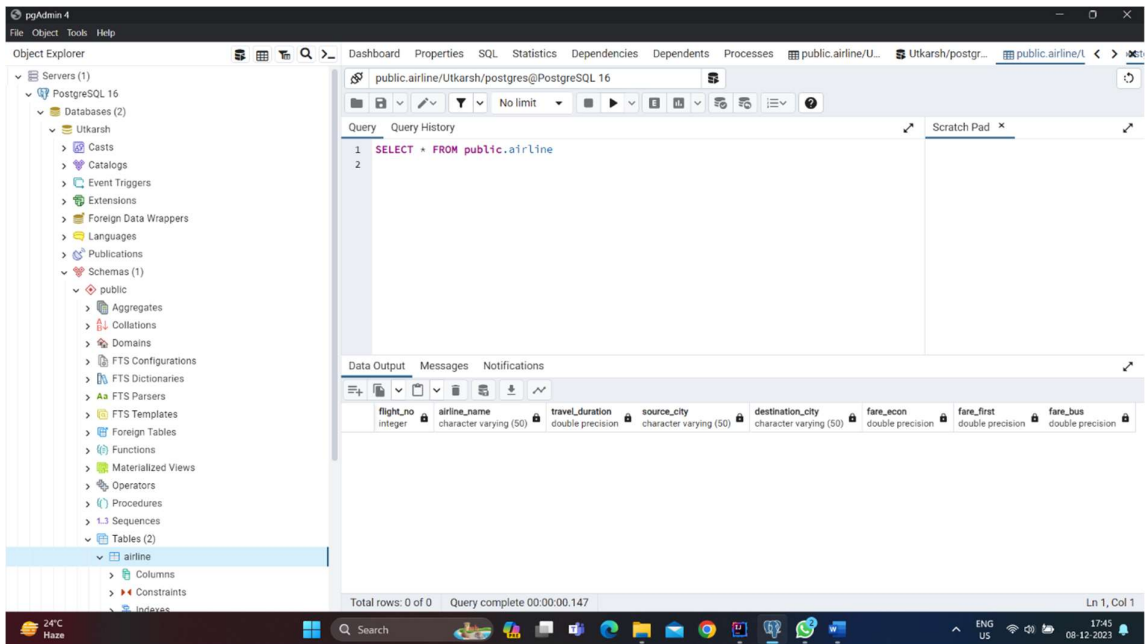
Output Screenshots:

- For Creating table you have to enter 1:



```
"D:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=52127:D:\Prog
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
1
Table created.
Do you want to Continue ???
```

- DataBase : The table is created in database.



pgAdmin 4

Object Explorer

- Servers (1)
 - PostgreSQL 16
 - Databases (2)
 - Utkarsh
 - public (1)
 - airline

Query

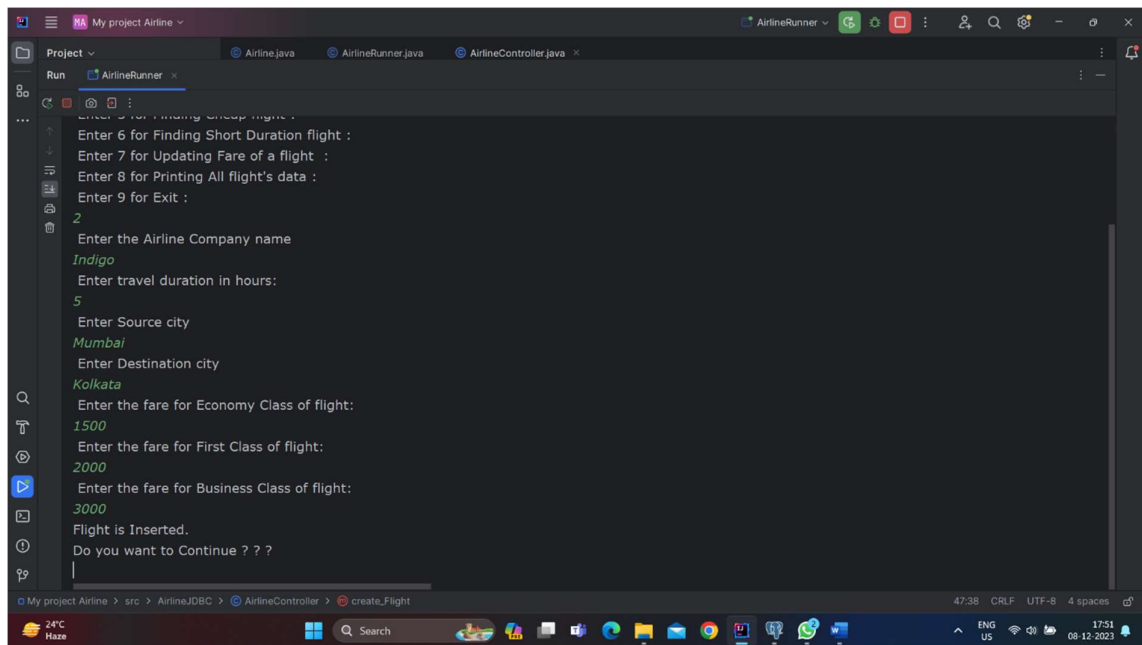
```
1 SELECT * FROM public.airline
2
```

Data Output

flight_no	airline_name	travel_duration	source_city	destination_city	fare_econ	fare_first	fare_bus
integer	character varying (50)	double precision	character varying (50)	character varying (50)	double precision	double precision	double precision

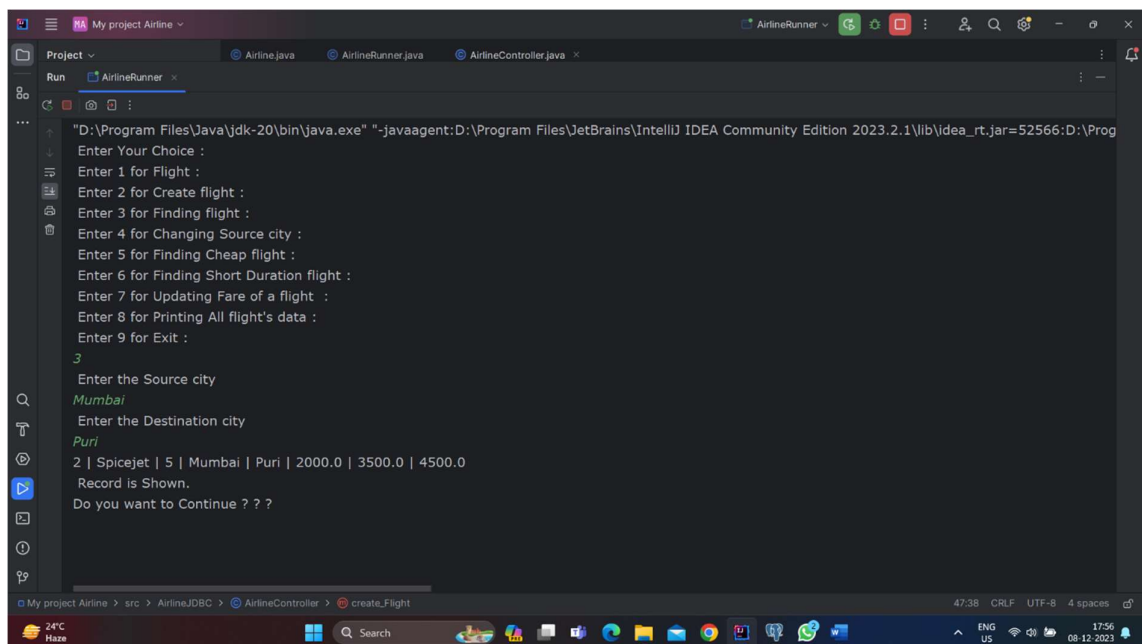
Total rows: 0 of 0 Query complete 00:00:00.147 Ln 1, Col 1

- For Inserting into table enter 2:



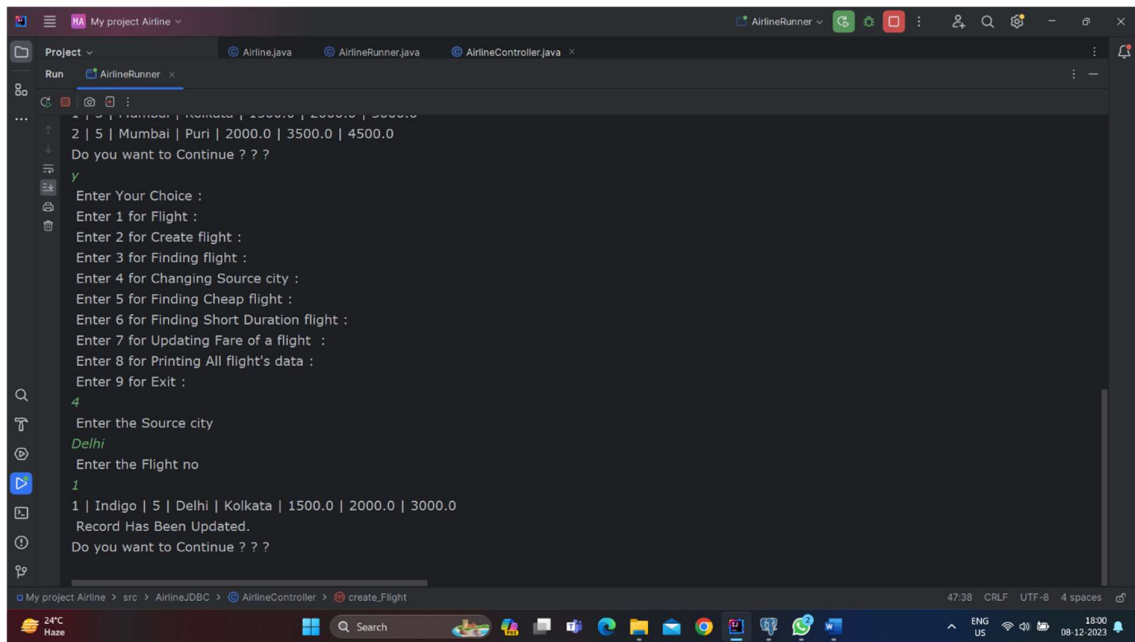
```
My project Airline > src > AirlineJDBC > AirlineController > create_Flight
Run AirlineRunner
Enter 1 for Finding Cheap flight :
Enter 2 for Finding Short Duration flight :
Enter 3 for Finding Cheap flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
2
Enter the Airline Company name
Indigo
Enter travel duration in hours:
5
Enter Source city
Mumbai
Enter Destination city
Kolkata
Enter the fare for Economy Class of flight:
1500
Enter the fare for First Class of flight:
2000
Enter the fare for Business Class of flight:
3000
Flight is Inserted.
Do you want to Continue ???
```

- For finding Flight for the Source and Destination city enter 3:



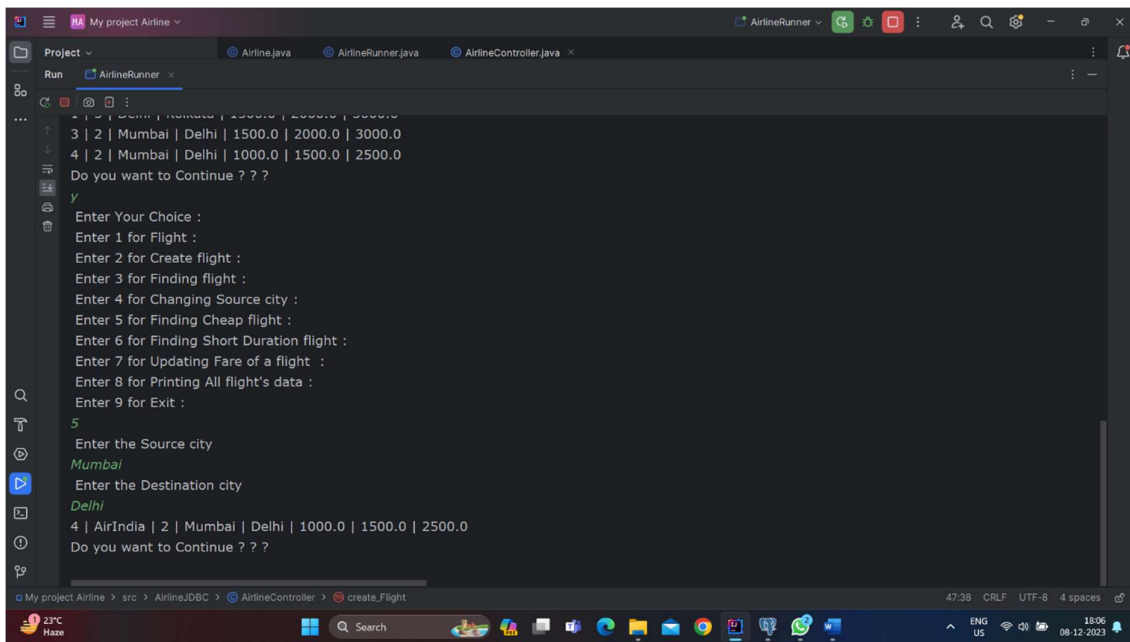
```
My project Airline > src > AirlineJDBC > AirlineController > create_Flight
Run AirlineRunner
D:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=52566:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin" -Dfile.encoding=UTF-8
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
3
Enter the Source city
Mumbai
Enter the Destination city
Puri
2 | Spicejet | 5 | Mumbai | Puri | 2000.0 | 3500.0 | 4500.0
Record is Shown.
Do you want to Continue ???
```

➤ For Changing Source City enter 4:



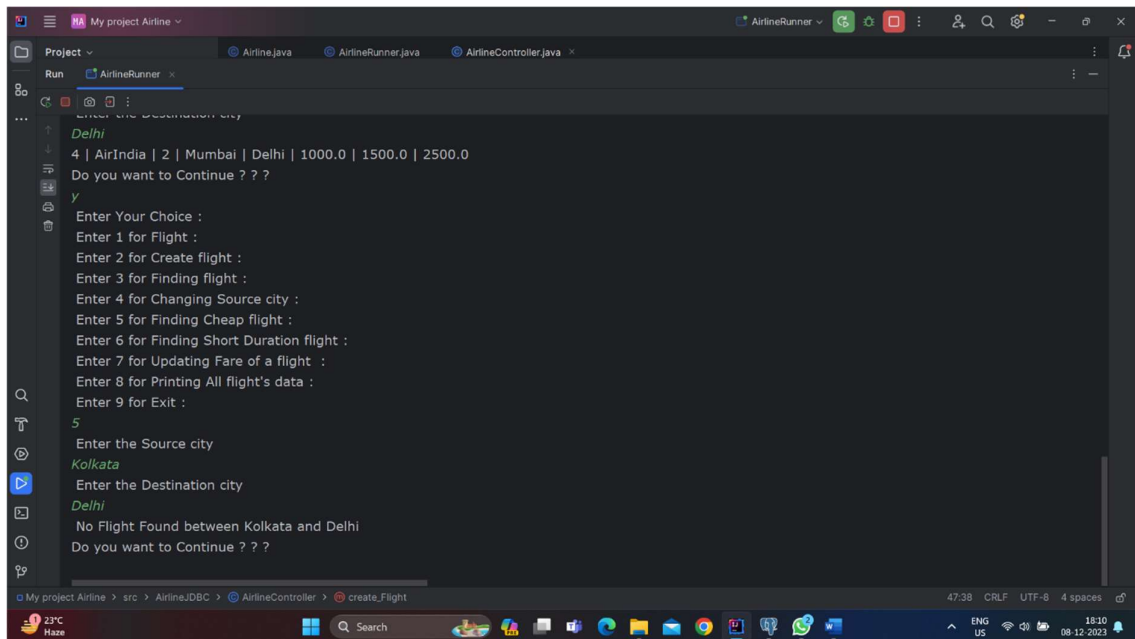
```
Project > Run AirlineRunner
4 | 5 | Mumbai | Puri | 2000.0 | 3500.0 | 4500.0
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
4
Enter the Source city
Delhi
Enter the Flight no
1
1 | Indigo | 5 | Delhi | Kolkata | 1500.0 | 2000.0 | 3000.0
Record Has Been Updated.
Do you want to Continue ? ? ?
```

➤ For Finding the cheapest Flight between Source city and Destination city enter 5:



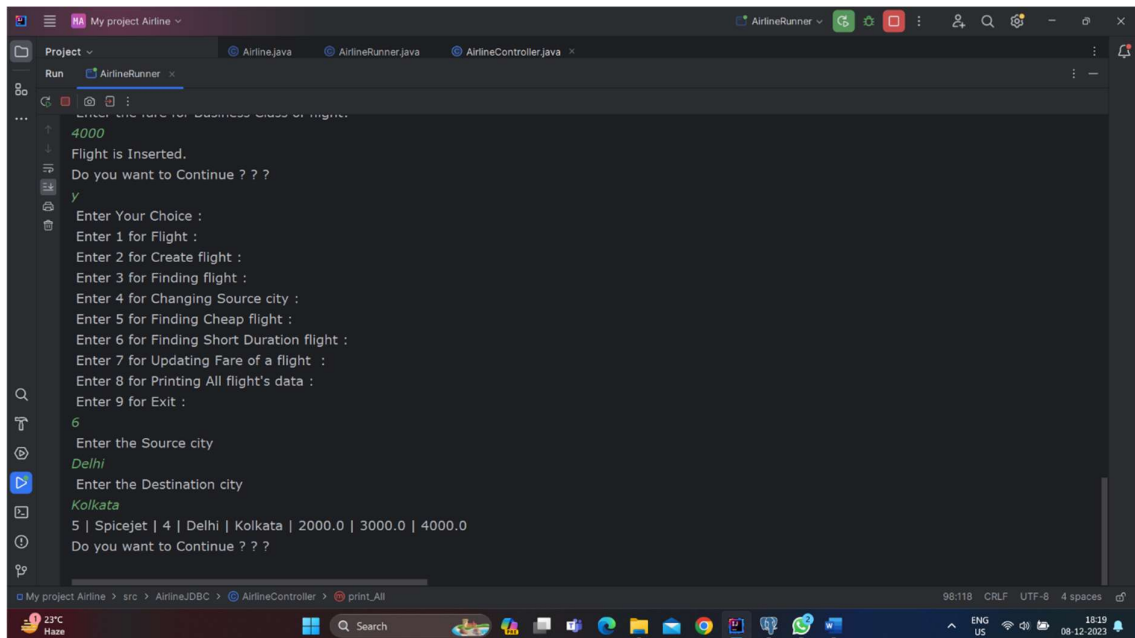
```
Project > Run AirlineRunner
4 | 5 | Mumbai | Puri | 2000.0 | 3500.0 | 4500.0
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
5
Enter the Source city
Mumbai
Enter the Destination city
Delhi
4 | AirIndia | 2 | Mumbai | Delhi | 1000.0 | 1500.0 | 2500.0
Do you want to Continue ? ? ?
```

- If you enter the wrong Source city or Destination city.



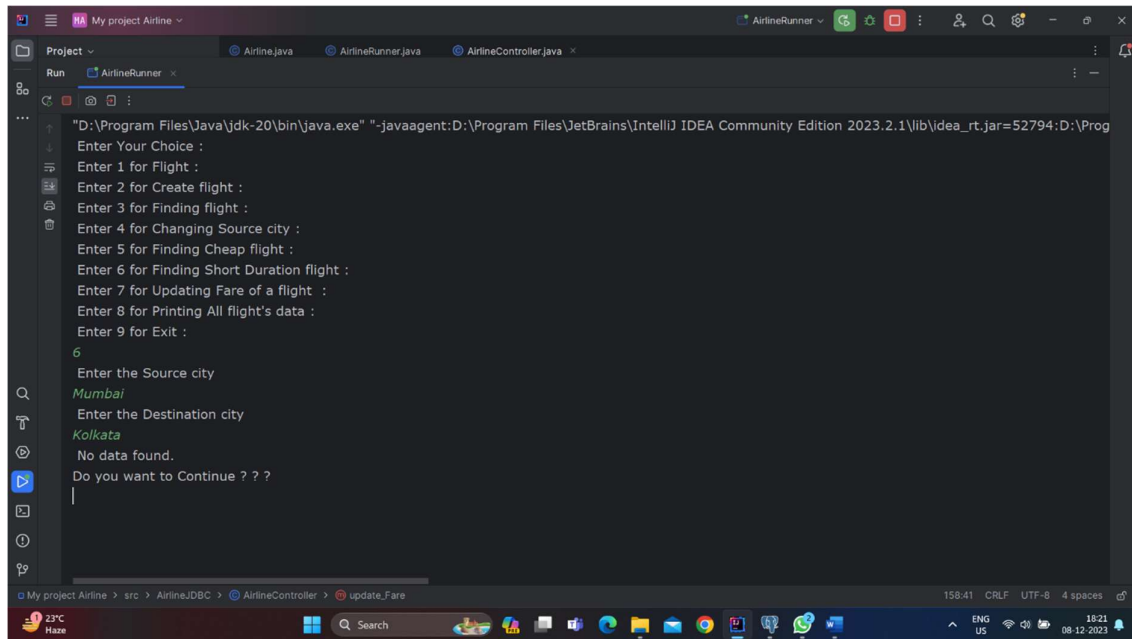
```
My project Airline
Run AirlineRunner
Enter the Destination city:
Delhi
4 | AirIndia | 2 | Mumbai | Delhi | 1000.0 | 1500.0 | 2500.0
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
5
Enter the Source city:
Kolkata
Enter the Destination city:
Delhi
No Flight Found between Kolkata and Delhi
Do you want to Continue ? ? ?
```

- For finding Short Duration Flight between Source and Destination City enter 5:



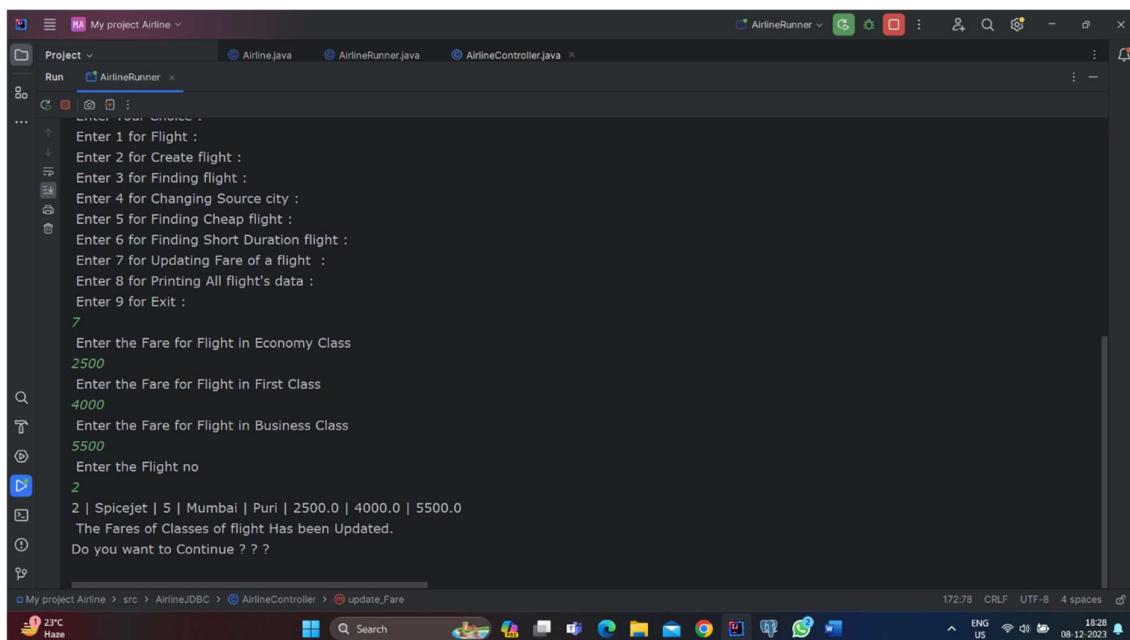
```
My project Airline
Run AirlineRunner
Enter the fare for business class of flight:
4000
Flight is Inserted.
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
6
Enter the Source city:
Delhi
Enter the Destination city:
Kolkata
5 | SpiceJet | 4 | Delhi | Kolkata | 2000.0 | 3000.0 | 4000.0
Do you want to Continue ? ? ?
```

- If you enter the wrong Source or Destination City



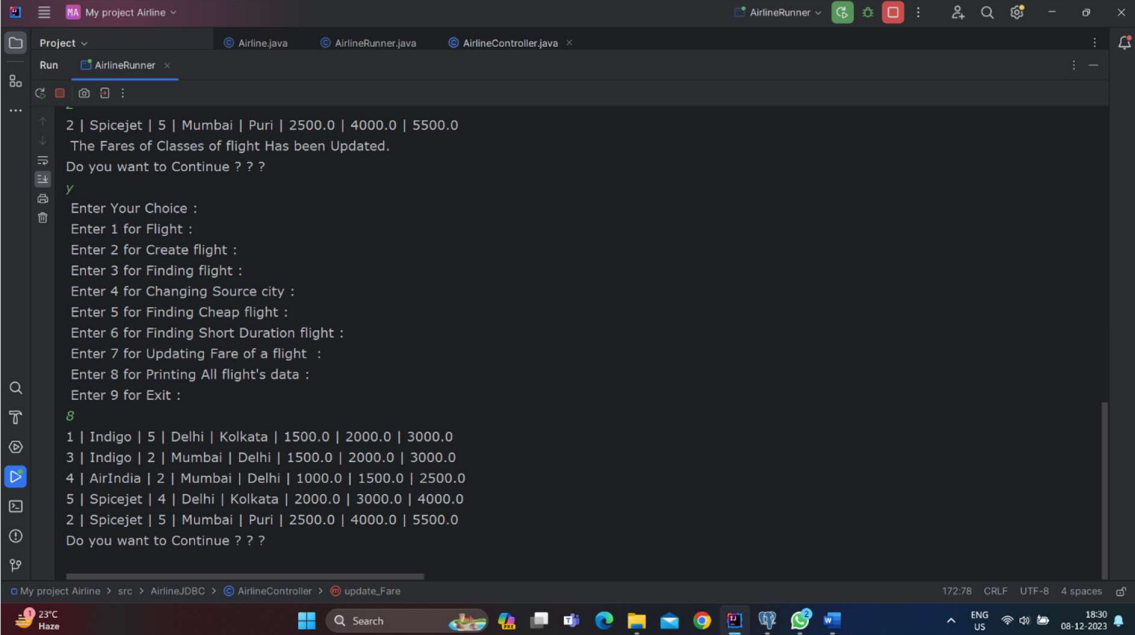
```
"D:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=52794:D:\Prog
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
6
Enter the Source city
Mumbai
Enter the Destination city
Kolkata
No data found.
Do you want to Continue ? ? ?
|
```

- For Updating the Fare of a flight enter 7: It will update the fare of Economy Class, First Class, Business Class .



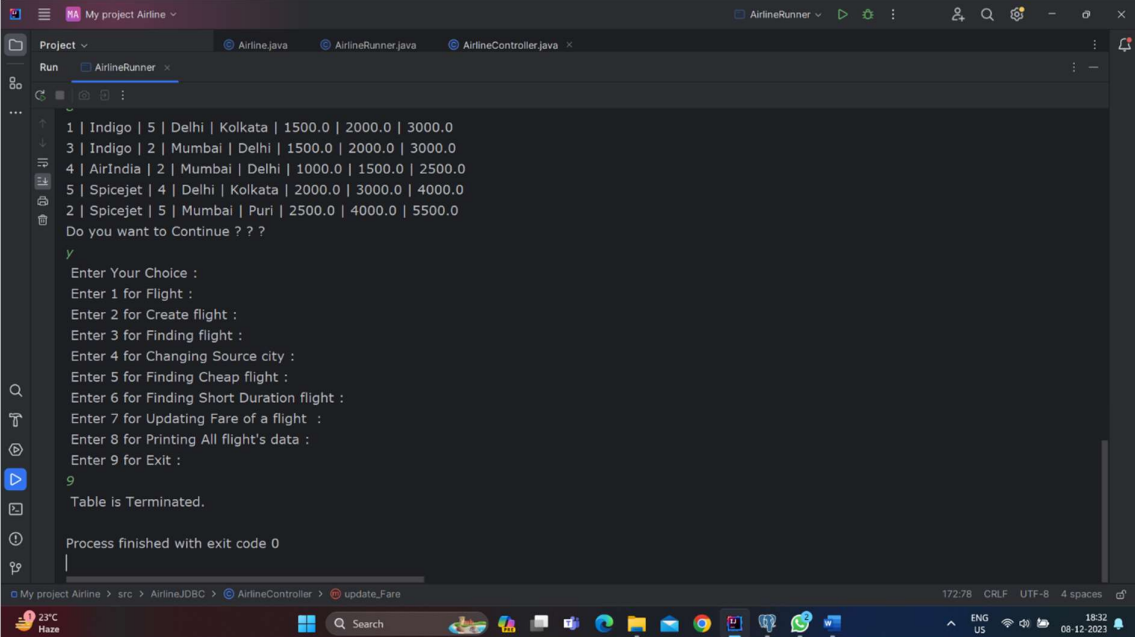
```
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
7
Enter the Fare for Flight in Economy Class
2500
Enter the Fare for Flight in First Class
4000
Enter the Fare for Flight in Business Class
5500
Enter the Flight no
2
2 | Spicejet | 5 | Mumbai | Puri | 2500.0 | 4000.0 | 5500.0
The Fares of Classes of flight Has been Updated.
Do you want to Continue ? ? ?
```

➤ For Printing All Flights Data enter 8:



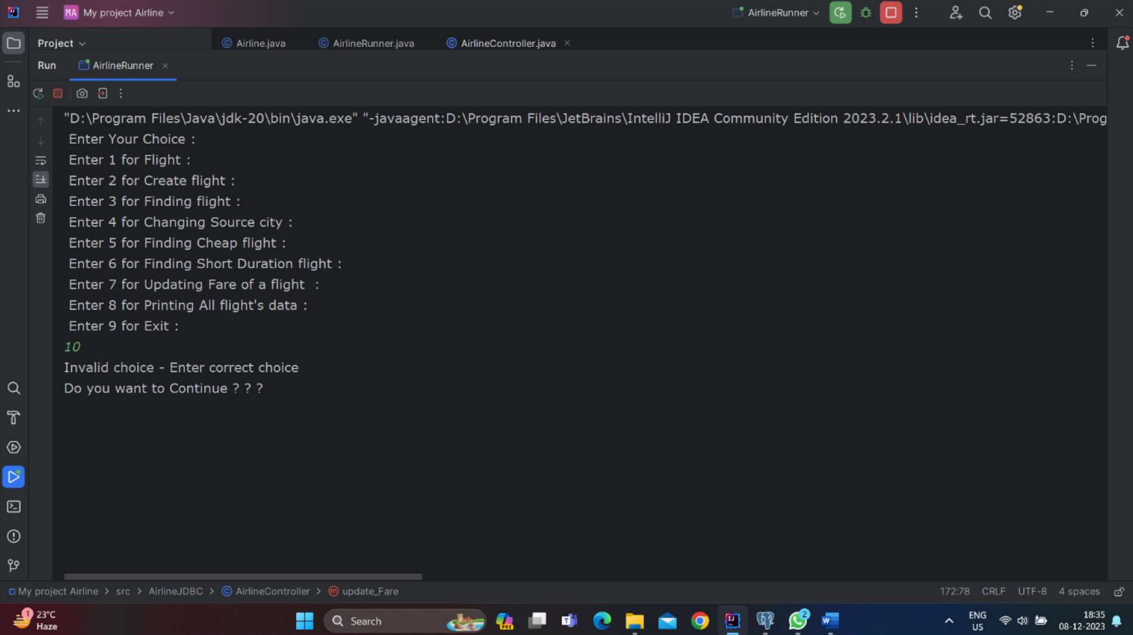
```
2 | Spicejet | 5 | Mumbai | Puri | 2500.0 | 4000.0 | 5500.0
The Fares of Classes of flight Has been Updated.
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
8
1 | Indigo | 5 | Delhi | Kolkata | 1500.0 | 2000.0 | 3000.0
3 | Indigo | 2 | Mumbai | Delhi | 1500.0 | 2000.0 | 3000.0
4 | AirIndia | 2 | Mumbai | Delhi | 1000.0 | 1500.0 | 2500.0
5 | Spicejet | 4 | Delhi | Kolkata | 2000.0 | 3000.0 | 4000.0
2 | Spicejet | 5 | Mumbai | Puri | 2500.0 | 4000.0 | 5500.0
Do you want to Continue ? ? ?
```

➤ If You enter 9: The table is Terminated.



```
1 | Indigo | 5 | Delhi | Kolkata | 1500.0 | 2000.0 | 3000.0
3 | Indigo | 2 | Mumbai | Delhi | 1500.0 | 2000.0 | 3000.0
4 | AirIndia | 2 | Mumbai | Delhi | 1000.0 | 1500.0 | 2500.0
5 | Spicejet | 4 | Delhi | Kolkata | 2000.0 | 3000.0 | 4000.0
2 | Spicejet | 5 | Mumbai | Puri | 2500.0 | 4000.0 | 5500.0
Do you want to Continue ? ? ?
y
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
9
Table is Terminated.
Process finished with exit code 0
```

- If you not enter the number 9 then this will happen.



```
"D:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=52863:D:\Prog
Enter Your Choice :
Enter 1 for Flight :
Enter 2 for Create flight :
Enter 3 for Finding flight :
Enter 4 for Changing Source city :
Enter 5 for Finding Cheap flight :
Enter 6 for Finding Short Duration flight :
Enter 7 for Updating Fare of a flight :
Enter 8 for Printing All flight's data :
Enter 9 for Exit :
10
Invalid choice - Enter correct choice
Do you want to Continue ? ? ?
```